

Application No. 10/029,553
Amd. Dated: September 28, 2005
Reply to Office Action mailed June 28, 2005

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-19 (canceled).

Claim 20 (currently amended): A stent comprising at least one strut, the at least one strut ~~has~~ having a transverse cross section, the transverse cross section having a top circumferential side, a bottom circumferential side, a right side and a left side wherein the top and bottom circumferential sides are substantially flat, and the left and rights sides are substantially curved.

Claim 21 (previously presented): The stent of claim 20 wherein the strut has a plurality of straight sections joined by a plurality of crown sections.

Claim 22 (previously presented): The stent of claim 20 wherein the strut is made of metal.

Claim 23 (previously presented): The stent of claim 22 wherein the strut is electro-polished.

Claim 24 (previously presented): The stent of claim 20 wherein the stent is fused to a second stent.

Claim 25 (previously presented): The stent of claim 20 wherein the second stent further comprises at least one second stent strut, the at least one second stent strut has a second stent top circumferential side, a second stent bottom circumferential side, a second stent right side and a second stent left side, wherein the second stent top and second stent bottom circumferential sides are substantially flat, and the second stent left and second stent right sides are substantially curved.

Claims 26-27 (canceled).

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Claim 28 (previously presented): The stent of claim 20 wherein the stent is self expanding.

Claim 29-30 (canceled).

Claim 31 (currently amended): A system for treating a vessel lumen comprising:
a stent having a lumen therethrough; and
a catheter at least partially extending through the lumen; ~~wherein~~
the stent is being fashioned from at least one strut, the at least one strut having a transverse cross section, the transverse cross section having a top circumferential side, a bottom circumferential side, a right side and a left side, wherein the top and bottom circumferential sides are substantially flat, and the left and right sides are substantially curved.

Claim 32 (currently amended) The ~~stent~~ system of claim 31 wherein the catheter is a balloon catheter.

Claims 33-35 (canceled).

Claim 36 (currently amended): The ~~stent~~ system of claim 31 wherein ~~further comprising the stent comprises a first stent section and a second stent section, the~~ a second ~~stent~~ section being coupled to the first stent section.

Claims 37-41 (canceled)

Claim 42 (new) A stent comprising:
at least one strut having a transverse cross section, the transverse cross section having a top side and a bottom side, and a right side and a left side joining the top and bottom sides, the top side being substantially flat and least one of said top and bottom sides being joined to at least one of said left and right sides through a smooth rounded edge.